

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:	Attorney Docket No.: 3103.04US01
EL OUAIR et al.	Confirmation No.: Unknown
Application No.: <i>Not Yet Unassigned</i>	Examiner: Unknown
Filed: <i>Filed Concurrently Herewith</i>	Group Art Unit: Unknown
For: PROCESSING SEISMIC DATA REPRESENTING A PHYSICAL SYSTEM	

---

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. § 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed with the application. No certification or fee is required.

All of the cited references were cited in the priority applications. A copy of the International Search Report from PCT/GB2004/050044 and the Search Report from GB 0400423.0 are attached for the Examiner's information. The search reports identify the relevance of the cited references.

Application No. *Filed Concurrently Herewith*

This application was filed after June 30, 2003; therefore, copies of cited U.S. patents and U.S. published applications are not included.

Respectfully submitted,



James H. PATTERSON  
Registration No. 30,673

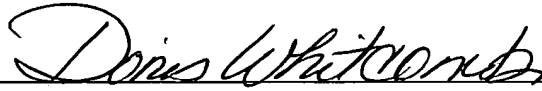
Customer No. 24113  
Patterson, Thunte, Skaar & Christensen, P.A.  
4800 IDS Center  
80 South 8th Street  
Minneapolis, Minnesota 55402-2100  
Telephone: (612) 349-5741

*Please grant any extension of time necessary for entry; charge any fee due to Deposit Account No. 16-0631.*

CERTIFICATE OF EXPRESS MAIL

"Express Mail" mailing label number EV494286331 US. Date of Deposit: 7 July 2006. I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to the Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Doris Whitcomb  
Name of Person Making Deposit

  
Signature

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				<i>Complete if Known</i> Application Number <b>107585559</b>	
				Filing Date Herewith	
				First Named Inventor EL OUAIR et al.	
				Art Unit Unknown	
				Examiner Name Unknown	
				Attorney Docket Number 3103.04US01	
Sheet	1	of	2		

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL <sup>*</sup>	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number-Kind Code <sup>2</sup> (if known)		
		US-5,798,892	08-25-1998	Kobayashi et al.
		US-6,041,018	03-21-2000	Roche
		US-		
		US-		
		US-		
		US-		
		US-		
		US-		
		US-		
		US-		
		US-		
		US-		
		US-		
		US-		
		US-		
		US-		
		US-		
		US-		
		US-		
		US-		

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL <sup>*</sup>	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)			
		GB 2323443 A	09-23-1998	Western Atlas	
		EP 1 255 126 A1	11-6-2002	Inst. Francais Du Petrol	
		WO 98/11455 A1	03-19-1998	PGS Tensor Inc.	
		EP 1 253 443 A1	10-30-2002	Inst. Francais Du Petrol	
		EP 1 094 338 A	04-25-2001	Geosystems	

EXAMINER SIGNATURE	DATE CONSIDERED
-----------------------	--------------------

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

AP20 Rec'd PCT/PTO 07 JUL 2006

Application Number

Unassigned

585559

Filing Date

Herewith

First Named Inventor

EL OUAIR et al.

Art Unit

Unknown

Examiner Name

Unknown

Attorney Docket Number

3103.04US01

Sheet

2

of

2

NON PATENT LITERATURE DOCUMENTS

EXAMINER  
INITIAL\*

Cite  
No.<sup>1</sup>

Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published

T<sup>2</sup>

Brevik, "Rock model based inversion of saturation and pressure changes from time lapse seismic data," SEG 1999 Expanded Abstracts (4 pgs.).

Rutledal et al., "Time-Lapse Elastic Inversion at the Oseberg Field," EAGE 64<sup>th</sup> Conference & Exhibition – Florence Italy 27-30 May 2002 (4 pgs.).

Varela et al., "Assessing dynamic reservoir behavior with time-lapse pre-stack 3D seismic data: a sensitivity study based on inversion," EAGE 64<sup>th</sup> Conference & Exhibition – Florence Italy 27-30 May 2002 (4 pgs.).

Minkoff et al., "Reservoir characterization via time-lapse prestack seismic inversion," 1998 SEG Expanded Abstracts (4 pgs.).

EXAMINER  
SIGNATURE

DATE

CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.